

**STROUD
ENGINEERING
SERVICES, INC.**

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**FEDERAL COMMUNICATIONS COMMISSION
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August 24, 2000

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

DOCKETED BY ORIGINAL

Re: Ultra-Wideband ET Docket 98-153

Dear Ms. Salas:

I am writing in response to the FCC's Notice of Proposed Rule Making on ultra-wideband radio.

My organization provides control and automation solutions to industrial manufacturers in the United States and abroad, and our clients include General Motors, Rockwell Automation, Baxter Healthcare, TRW Inc., and Daimler-Chrysler Corp.

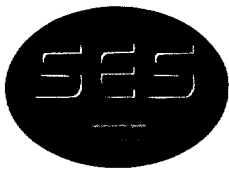
Our industrial plant floor automation designs are continuously based upon advancing technology, and communications issues between plant machinery and cells have always been high on our list of "challenges." Careful and professional implementation of ultra-wideband communications technology into our designs could easily result in the productivity advances that are always required to keep our customers competitive in a free market.

An automated factory floor of five to fifty acres will have thousands of machines and human resources required to work in concert to provide their product. Each process and subsystem must continuously update the whole as to its own progress, problems, resources, throughput, inventory, etc. A medium-range, low noise, dependable, wireless networking capability has been desired for years. After years of hype and letdowns, computers have developed true factory smarts and are now being limited only by their ability to communicate to their peers via a stable and easily implemented network. Unlicensed ultra-wideband technologies offer the integration of true network capabilities through a wireless medium – for the first time. Prompt rule-making by the FCC on the use of this powerful and unique technology will allow my firm, and others like SES, to participate in keeping the world's envy focused on the United States' Industrial Machine.

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The engineers and innovators at Stroud Engineering Services, Inc. strongly urge the FCC to seek timely resolution of technical matters to the agency's satisfaction. We hope to soon be allowed to take advantage of the full performance and benefits offered by this leading edge technology as we continue to provide "Only the Best" factory automation solutions and services to our customer base.

Thank you for your time in reviewing the information proffered in this letter.

Sincerely,

James W. Stroud III, P.E.
President
Stroud Engineering Services, Inc.

JWS/smr



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